

Notice of Allowability

Application No.

10/724,394

Applicant(s)

CRABTREE, RALPH N.

Examiner

Tom Y. Lu

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to the amendment filed on 7/26/2006.
2. The allowed claim(s) is/are 61-120.
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some* c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. ____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

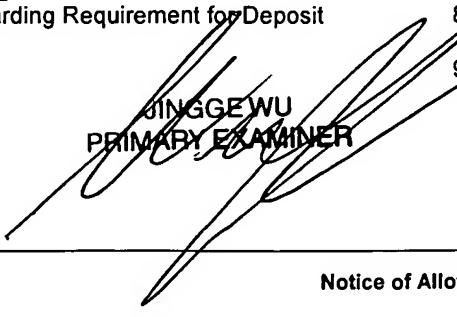
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 1) hereto or 2) to Paper No./Mail Date ____.
(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of
 Paper No./Mail Date ____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO/SB/08),
 Paper No./Mail Date ____.
4. Examiner's Comment Regarding Requirement for Deposit
 of Biological Material
5. Notice of Informal Patent Application
6. Interview Summary (PTO-413),
 Paper No./Mail Date ____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other ____.


JINGGE WU
PRIMARY EXAMINER

DETAILED ACTION

Response to Amendment

1. Claims 1-60 were cancelled.
2. Upon cancellation of claims 1-60, the rejection of claims 1-60 is now withdrawn.
3. Claims 61-120 are newly added.
4. Claims 61-120 are pending.

Allowable Subject Matter

5. Claims 61-120 are allowed.

The following is an examiner's statement of reasons for allowance:

- a. Independent claims 61 and 81 both define a feature of associating the track of the object with at least one of a seed zone or a queue set based on a position valued produced based on an indicator from the sensor, the seed zone being defined by a second area from which a queue originates, the seed zone being associated with a seed location, the queue set being used to define the queue. This feature in combination with other features in claims 61 and 81 is not taught or suggested by the art of record.
- b. Claims 62-80 are dependent upon claim 61.
- c. Claims 82-97 are dependent upon claim 81.
- d. Independent claim 98 defines a feature of associating a track of a second object with the track of the first object when a queue parameter condition is satisfied, the track of the second object being included in the queue set when the track of the second object is associated with the track of the first object, the second object

being disposed outside of the seed zone. This feature in combination with other features in claim 98 is not taught or suggested by the art of record.

- e. Claims 99-107 are dependent upon claim 98.
- f. Independent claim 108 defines a track of a third object in the queue set when a queue parameter condition is satisfied based on a calculated value, the calculated value being based on a third position value associated with the track of the third object and at least one of the first position value or the second position value.
- g. Claims 109-115 are dependent upon claim 108.
- h. Independent claim 116 defines features of determining whether the track of the object is included in a seed zone, the seed zone being defined by a second area from which a queue originates, the seed zone being associated with a seed location and selecting at least one of a seed parameter condition or a queue parameter condition based on whether the object is included in the seed zone. These features in claim 116 in combination with other features are not taught or suggested by the art of record.
- i. Claims 117-120 are dependent upon claim 116.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tom Y. Lu whose telephone number is (571) 272-7393. The examiner can normally be reached on 8:30AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jingge Wu can be reached on (571)-272-7429. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TYL

JINGGE WU
PRIMARY EXAMINER

A handwritten signature in black ink, appearing to read "JINGGE WU", is overlaid on a large, stylized, cursive "X" mark. The "X" is drawn with two intersecting lines that curve and loop, creating a complex, symmetrical shape. The signature is positioned centrally within this "X".